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Abbreviations and Acronyms Used in These Indexes

cs = chemoselective
ds = diastereoselective
es = enantioselective
rs = regioselective
ss = stereoselective

Ac	=	acetyl
acac	=	acetylacetonato
AIBN	=	2,2′-azobisisobutyronitrile
Ar	=	aryl
BINAP	=	2,2′-bis(diphenylphosphino)-1,1′-binaphthalene
BOM	=	*tert*-butoxymethyl
9-BBN	=	9-borabicyclo[3.3.1]nonane
bpy	=	2,2′-bipyridine
Boc	=	*tert*-butoxycarbonyl
Bu	=	butyl
s-Bu	=	*sec*-butyl
t-Bu	=	*tert*-butyl
CAN	=	ammonium cerium(IV) nitrate
Cbz	=	Z (*see below*)
CDI	=	1,1′-carbonyldiimidazole
Cp	=	η^5-cyclopentadienyl
12-crown-4	=	1,4,7,10-tetraoxacyclododecane
15-crown-5	=	1,4,7,10,13-pentaoxacyclopentadecane
18-crown-6	=	1,4,7,10,13,16-hexaoxacyclooctadecane
DABCO	=	1,4-diazabicyclo[2.2.2]octane
dba	=	dibenzylideneacetone (1,5-diphenyl-1,4-pentadien-3-one)
DBN	=	1,5-diazabicyclo[4.3.0]non-5-ene
DBU	=	1,8-diazabicyclo[5.4.0]undec-7-ene
DCC	=	dicyclohexylcarbodiimide
DDQ	=	2,3-dichloro-5,6-dicyano-1,4-benzoquinone
DEAD	=	diethyl azodicarboxylate
DET	=	diethyl tartrate
DIAD	=	diisopropyl azodicarboxylate
DIBAH	=	diisobutylaluminum hydride
DIMAD	=	dimethyl acetylenedicarboxylate
diphos	=	dppe
	=	ethylenebis(diphenylphosphine)
	=	1,2-bis(diphenylphosphino)ethane
DIPT	=	diisopropyl tartrate
DMA	=	*N,N*-dimethylacetamide
DMAP	=	4-dimethylaminopyridine
DME	=	1,2-dimethoxyethane
DMF	=	dimethylformamide
DMPU	=	1,3-dimethyl-3,4,5,6-tetrahydro-2(1*H*)-pyrimidinone
DMSO	=	dimethyl sulfoxide
DPPA	=	diphenyl phosphoroazidate
dppf	=	1,1′-bis(diphenylphosphino)ferrocene
dppp	=	1,3-bis(triphenylphosphino)propane
DTBT	=	di-*tert*-butyl tartrate
Et	=	ethyl
Fmoc	=	9-fluorenylmethoxycarbonyl
fod	=	6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-octanedionato
FVP	=	flash vacuum pyrolysis
Hdmg	=	dimethylglyoximato(1−)
hfc	=	3-(heptafluoropropylhydroxymethylene)-(+)-camphorato
HMPA or HMPT	=	hexamethylphosphoric triamide
Hünig's base	=	*N,N*-diisopropylethylamine
IIDQ	=	isobutyl 1,2-dihydro-2-isobutoxyquinoline-1-carboxylate
KHMDS	=	$KN(SiMe_3)_2$
	=	potassium bis(trimethylsily)amide
L	=	ligand
LDA	=	lithium diisopropylamide
LiHMDS	=	$LiN(SiMe_3)_2$
	=	lithium bis(trimethylsily)amide
M	=	metal
MCPBA	=	3-chloroperoxybenzoic acid
MDPP	=	(−)-menthyldiphenylphosphine
Me	=	methyl
MEM	=	(2-methoxyethoxy)methyl
MOM	=	methoxymethyl
Mosher esters	=	α-methoxy-α-(trifluoromethyl)phenylacetates
Ms	=	mesyl
	=	methanesulfonyl
MTM	=	methylthiomethyl
NaHMDS	=	$NaN(SiMe_3)_2$
	=	sodium bis(trimethylsily)amide
NBS	=	*N*-bromosuccinimide
NCS	=	*N*-chlorosuccinimide
NIS	=	*N*-iodosuccinimide
PCC	=	pyridinium chlorochromate ($PyH^+ ClCrO_3^-$)
PDC	=	pyridinium dichromate ($2PyH^+ Cr_2O_7^{2-}$)
Ph	=	phenyl
PMDTA	=	pentamethyldiethylenetriamine
PPA	=	polyphosphoric acid
PPTS	=	pyridinium *p*-toluenesulfonate
Pr	=	propyl
i-Pr	=	isopropyl
Py	=	py (as ligand)
	=	pyridine
Red-Al	=	sodium bis(2-methoxyethoxy)aluminum hydride
SEM	=	2-trimethylsilylethoxymethyl
TBAF	=	tetrabutylammonium fluoride
TBDMS	=	*tert*-butyldimethylsilyl
TBDPS	=	*tert*-butyldiphenylsilyl
TCDI	=	1,1′-thiocarbonyldiimidazole
Tf	=	triflyl
	=	trifluoromethanesulfonyl
TFA	=	trifluoroacetic acid
TFAA	=	trifluoroacetic anhydride
tfc	=	3-(trifluoromethylhydroxymethylene)-(+)-camphorato
thexyl	=	1,1,2-trimethylpropyl
THF	=	thf (as ligand)
	=	tetrahydrofuran
THP	=	2-tetrahydropyranyl
TIPS	=	triisopropylsilyl
TMEDA	=	*N,N,N′,N′*-tetramethylethylenediamine
TMS	=	trimethylsilyl
Ts	=	tosyl
	=	*p*-toluenesulfonyl
trityl	=	triphenylmethyl
Z	=	benzyloxycarbonyl

Compounds

Notes on the use of this index.
1. Compounds are organized according to compound classes: alkenes, carboxylic acid esters, etc.
2. Systematic nomenclature is used, but not exclusively.
3. Natural products, medicinal compounds, and other complicated structures are entered under their trivial names.
4. Organoheteroelement and organometallic compounds are entered under the name of the respective element.
5. Heterocycles are entered under the systematic name of the ring system; generally accepted trivial names are incorporated into that system. Fully saturated ring systems are generally given a heading separate from that of the fully unsaturated ring system.
6. Compounds with multiple functionalities are sometimes but not always entered under every functionality.
7. Functionalized cyclic compounds are entered under the ring system, not necessarily under the compound class of the substituent.
8. Some sub-headings, such as 1-alkanols, do not include all compounds of that structure, but rather refer to articles dealing with several compounds of that general structure.

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Notes on the use of this index.
1. Reactions are generally organized according to the change in structure that occurs rather than the mechanism, e.g. *C*-alkylation rather that S_N1, S_N2, etc.
2. Name reactions are included, but indexing according to name reactions is not comprehensive.

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Notes on the use of this index.
1. Systematic nomenclature is used except for common trivial names, e.g., allyl rather than 2-propenyl for the unsubstituted radical.
2. Reagents are generally organized according to class: Grignard reagents, inorganic reagents, organotin reagents, etc.
3. Esters and salts of acids are generally entered under the name of the acid.

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HY type 121
NiY type 121

Errata and Addenda

Note the errata and addenda appearing on pages 288, 368, 444, and 844.

Sakuraba, S.; Achiwa, K. *Synlett* **1991**, 689. Reference 4 should be corrected to:

4) E. J. Corey, Gregory A. Reichard, *Tetrahedron Lett.*, **1989**, *30*, 5207.
For non-catalytic enantioselective route:
a) Morris Srebnik, P. V. Ramachandran, H. C. Brown, *J. Org. Chem.*, **1988**, *53*, 2916.
b) D. W. Robertson, J. H. Krushinski, R. W. Fuller, J. D. Leander, *J. Med. Chem.*, **1988**, *31*, 1412.

(*R*)-**3** on page 690 should be corrected to (*R*)-**3** hydrochloride.